

APPROVED	Q.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

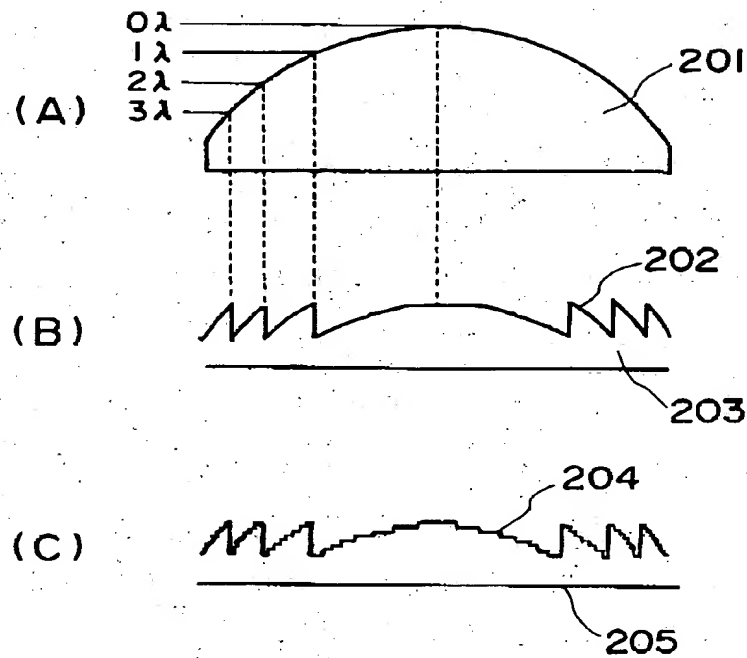


FIG. 1  
PRIOR ART

09762698-072999

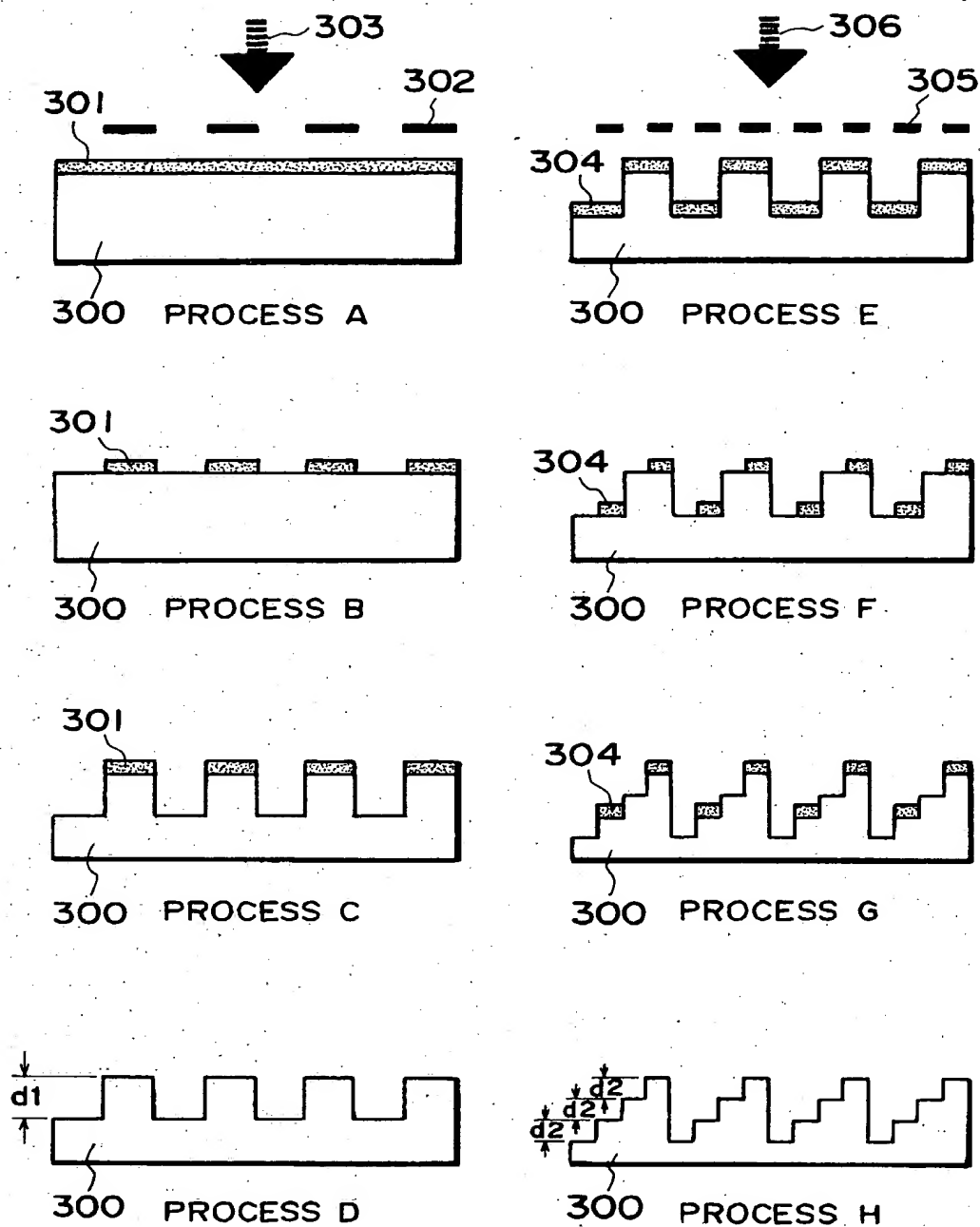


FIG. 2  
PRIOR ART

0530663-02500

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

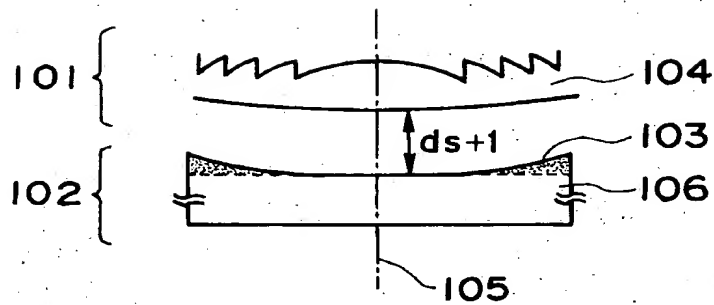


FIG. 3

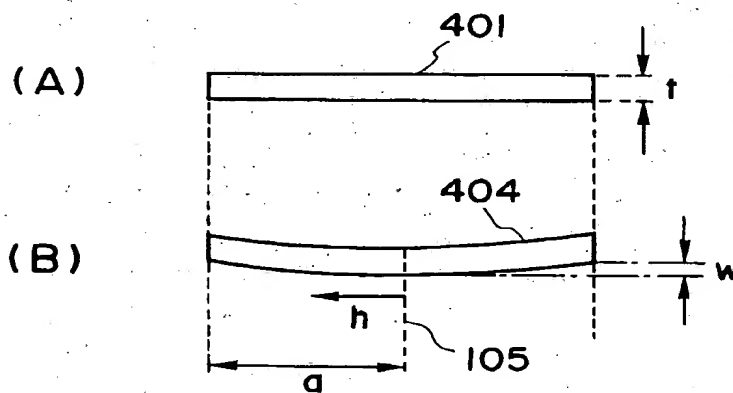


FIG. 4

053676558 072999



65320-36360

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	"	"

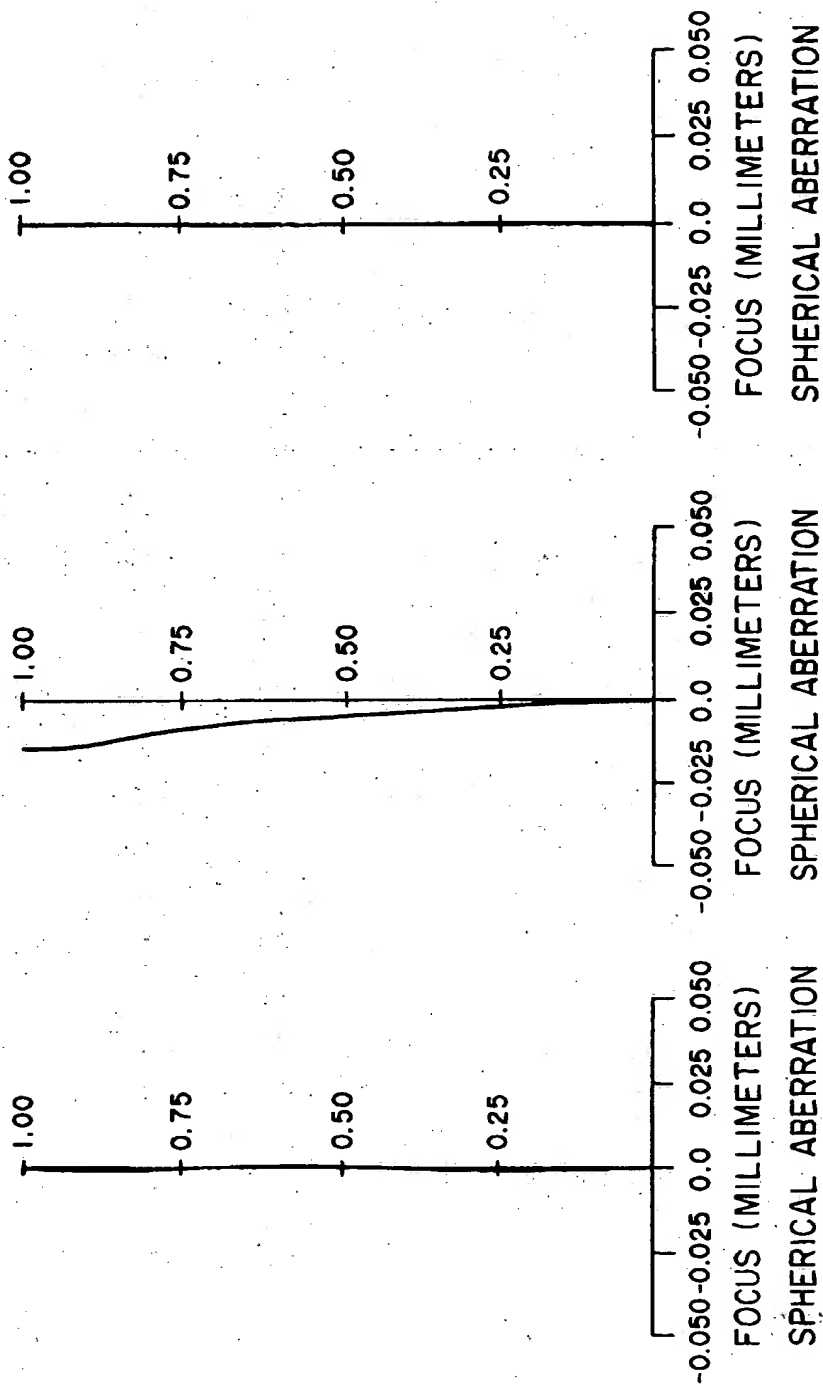


FIG. 7A

FIG. 7B

FIG. 7C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

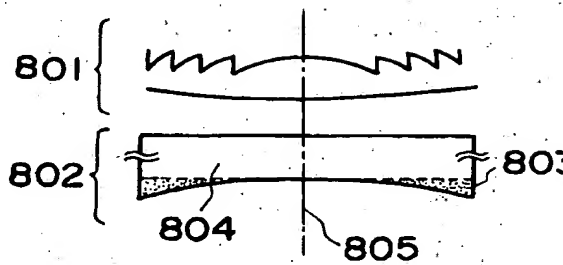


FIG. 8A

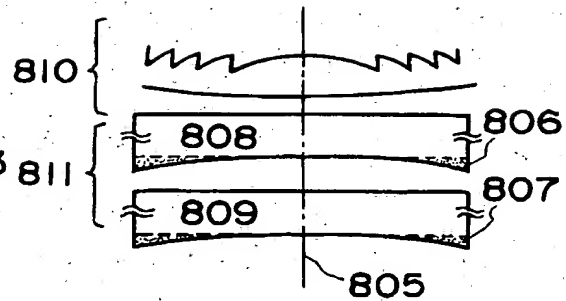


FIG. 8B

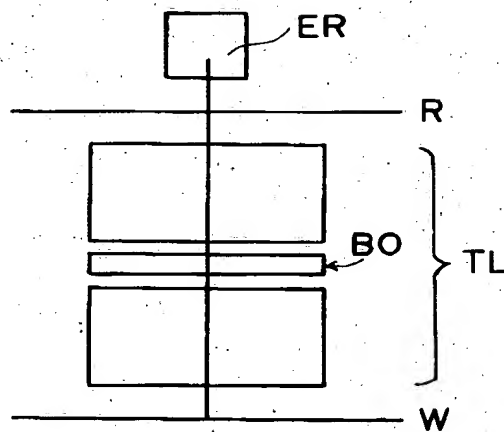
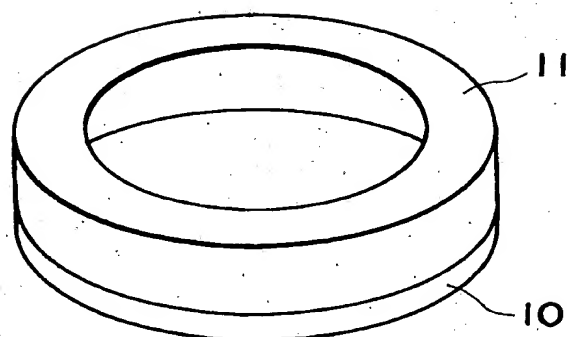
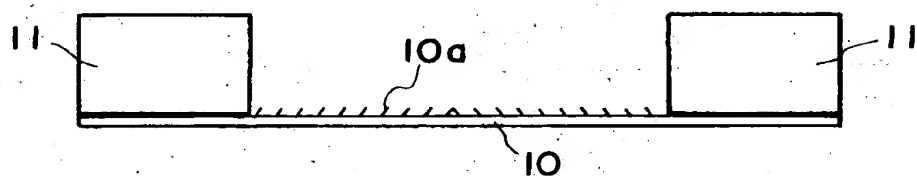


FIG. 9

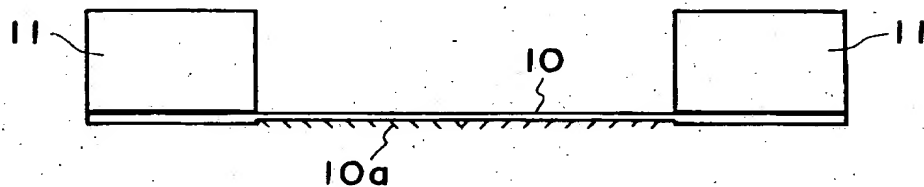
0552220" 055022050



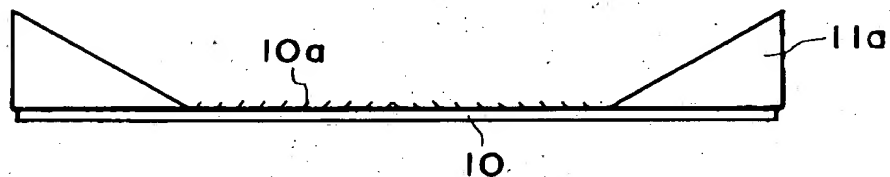
**FIG. 10**



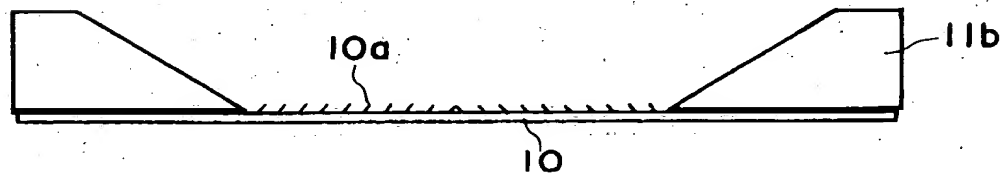
**FIG. 11**



**FIG. 12**



**FIG. 13**



**FIG. 14**

55270 0692450

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

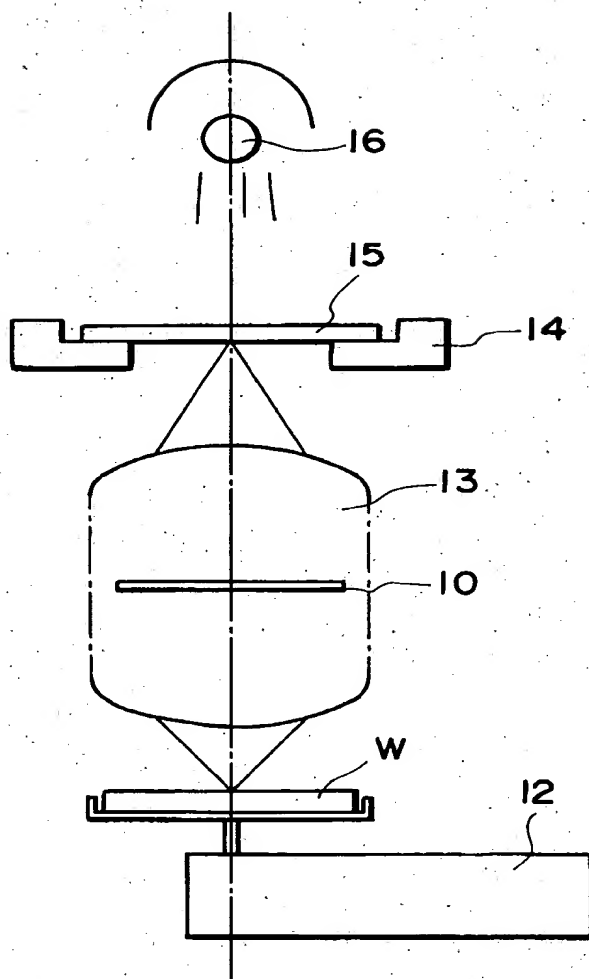


FIG. 15

05262520" 05262520"



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

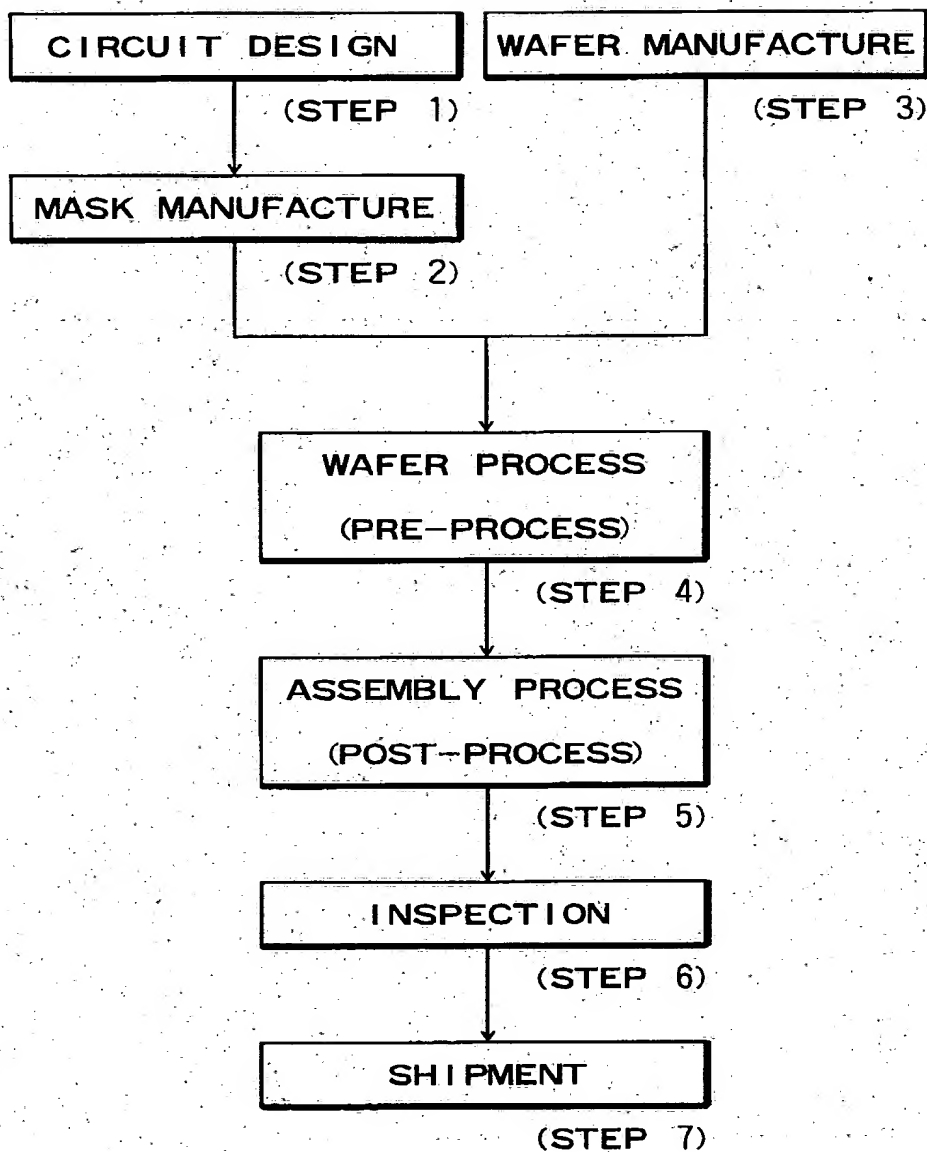


FIG. 16

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

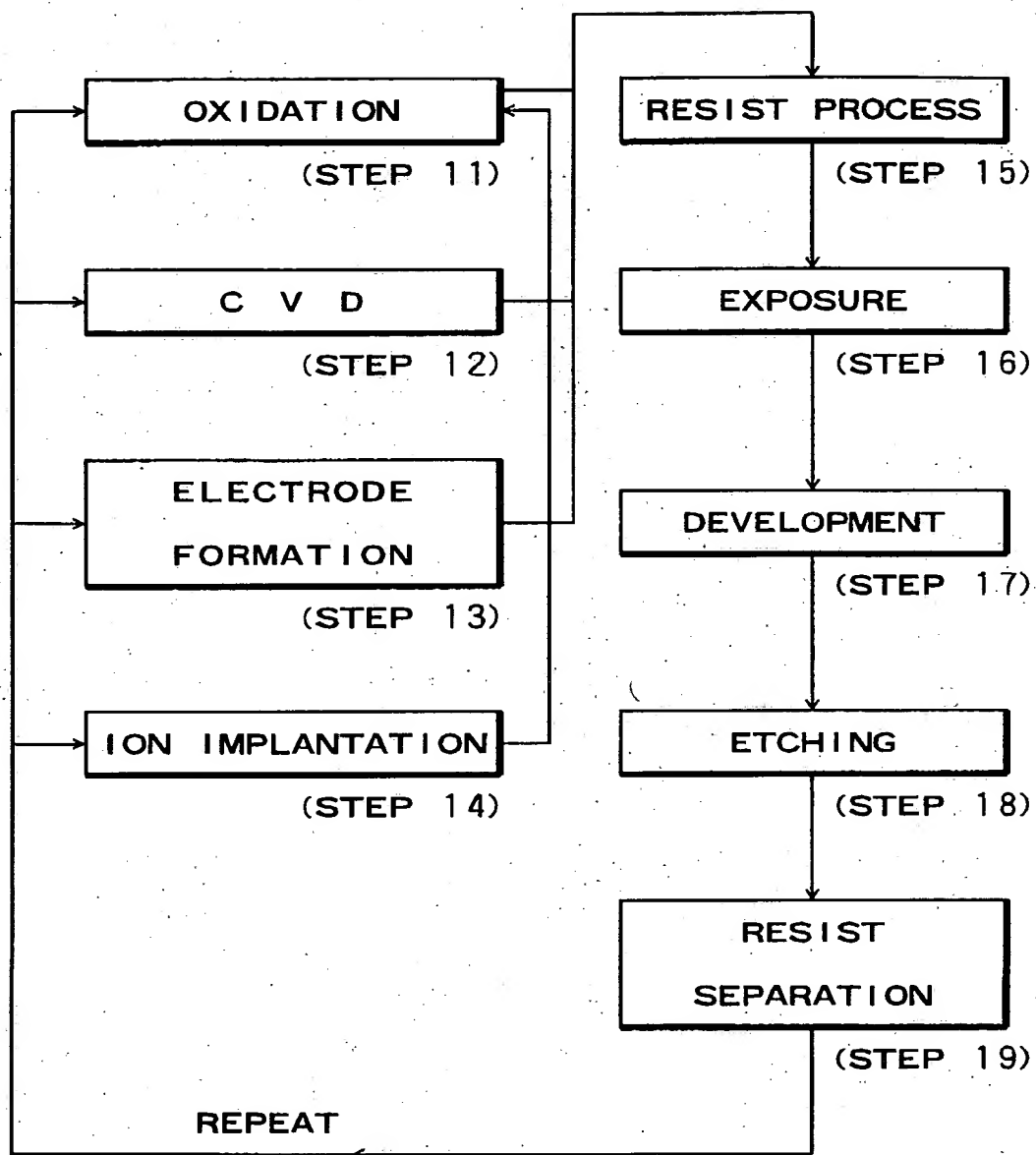


FIG. 17

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

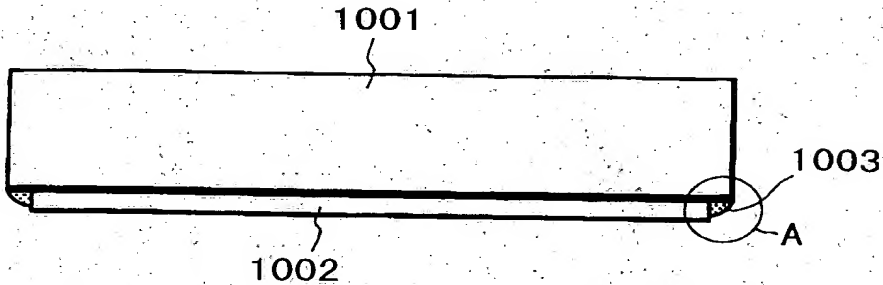


FIG. 18

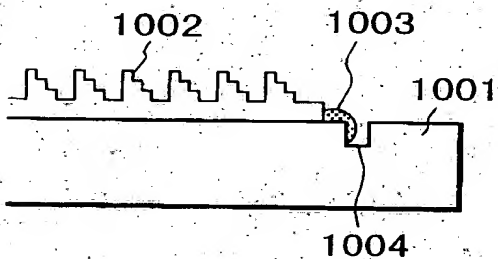


FIG. 19A

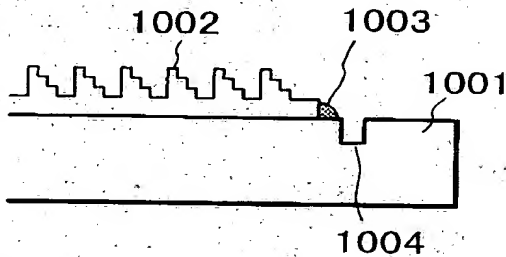


FIG. 19B

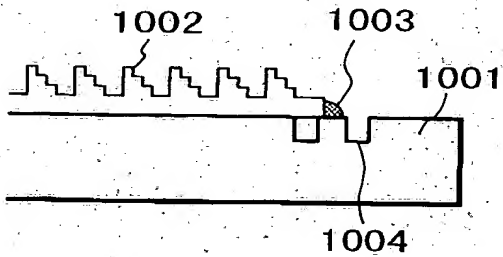


FIG. 19C

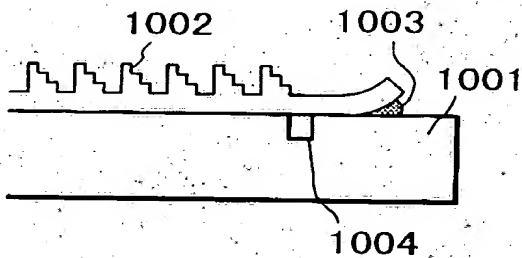
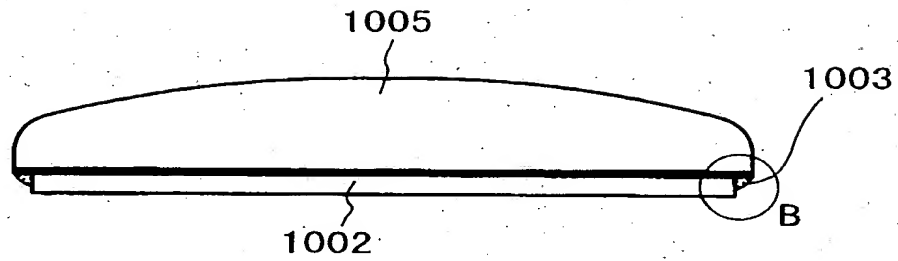
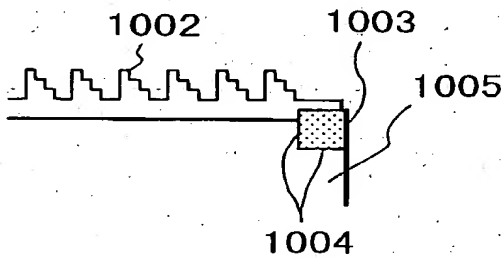


FIG. 19D

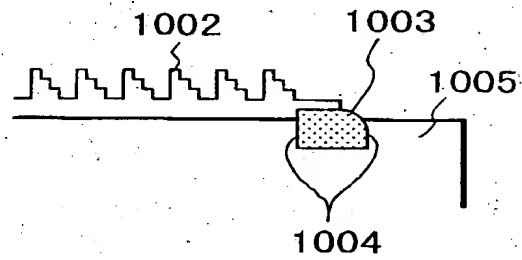
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



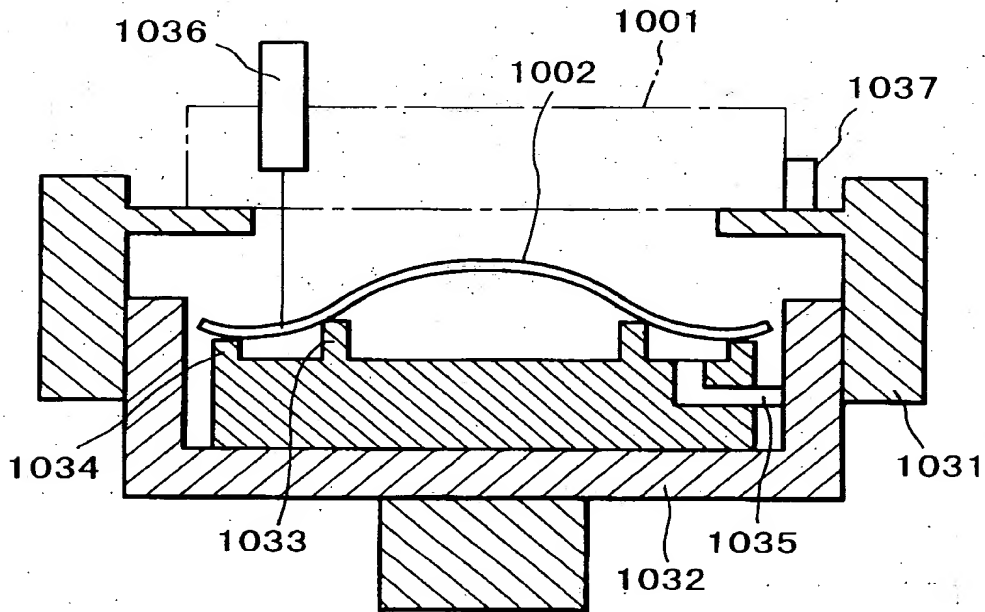
**FIG. 20**



**FIG. 21A**



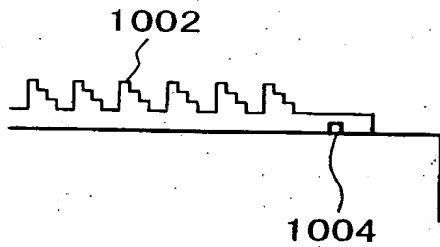
**FIG. 21B**



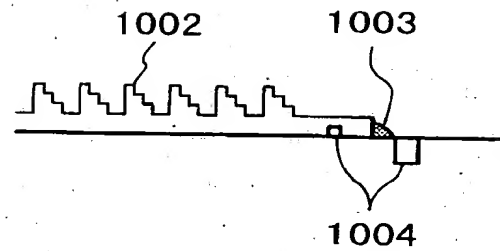
**FIG. 22**

665270" 25999760

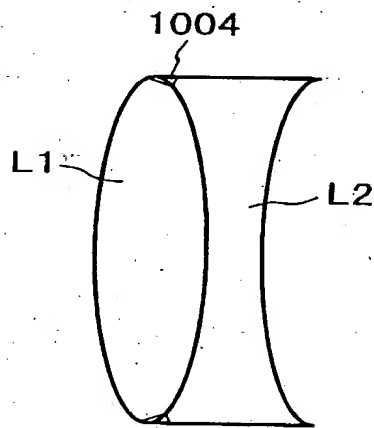
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



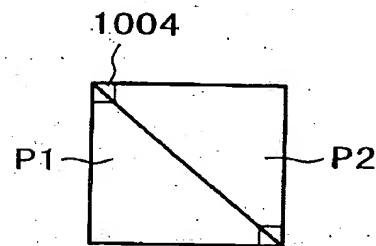
**FIG. 23A**



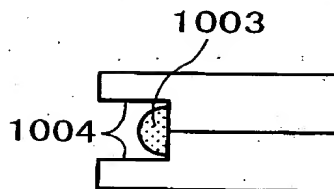
**FIG. 23B**



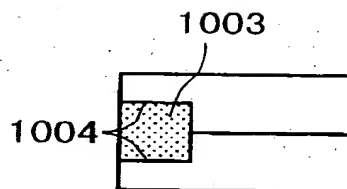
**FIG. 24A**



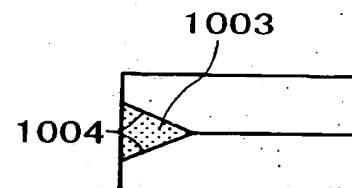
**FIG. 24B**



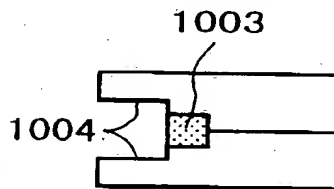
**FIG. 25A**



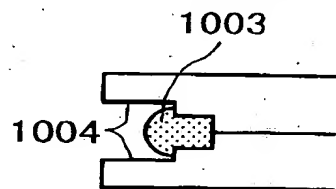
**FIG. 25B**



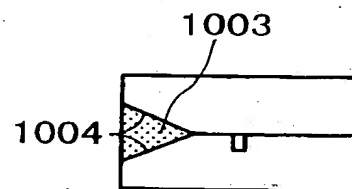
**FIG. 25C**



**FIG. 25D**



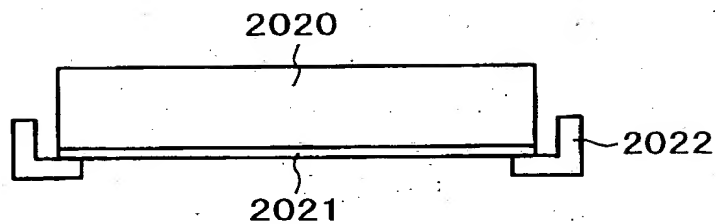
**FIG. 25E**



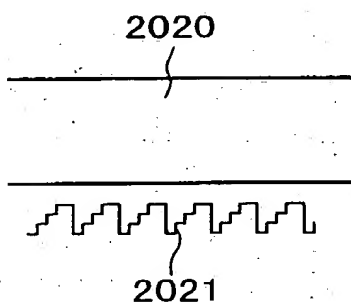
**FIG. 25F**

686270-00000000

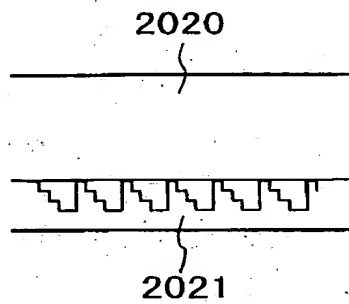
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



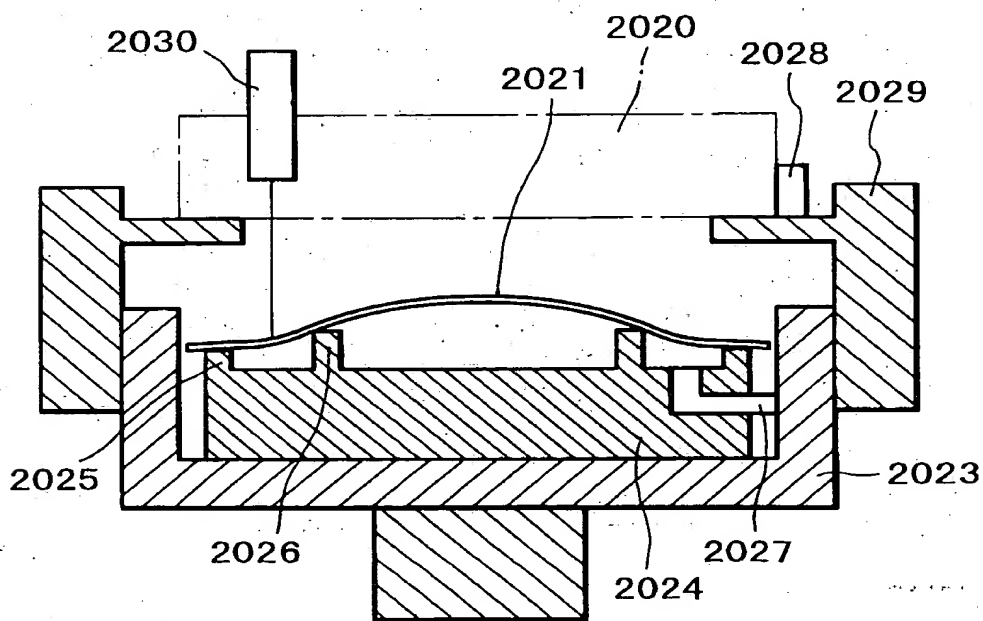
**FIG. 26**



**FIG. 27**



**FIG. 28**



**FIG. 29**

663270 2699560

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

# HYDROGEN BOND

QUARTZ-WATER

WATER-WATER

FLUORITE-WATER

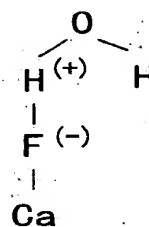
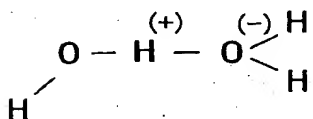
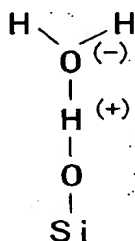


FIG. 30A

## VAN DER WAAL' S FORCE

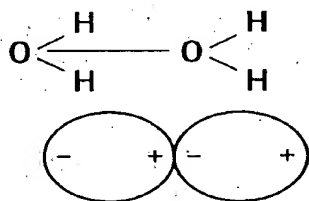


FIG. 30B

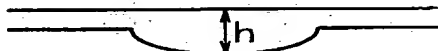


FIG. 31

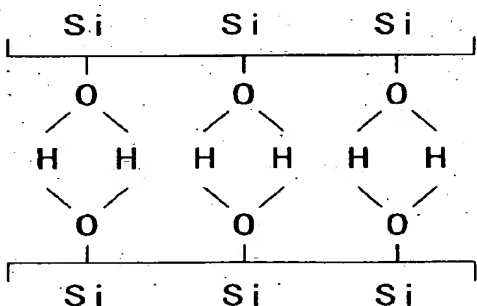


FIG. 32

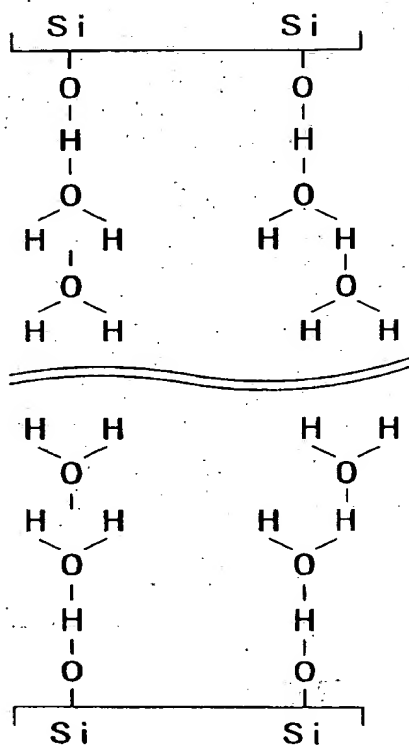


FIG. 33

656270 869950





APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

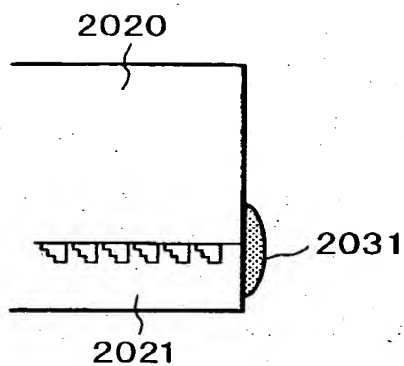


FIG. 39

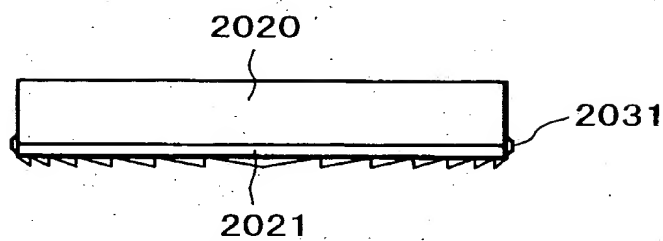


FIG. 40

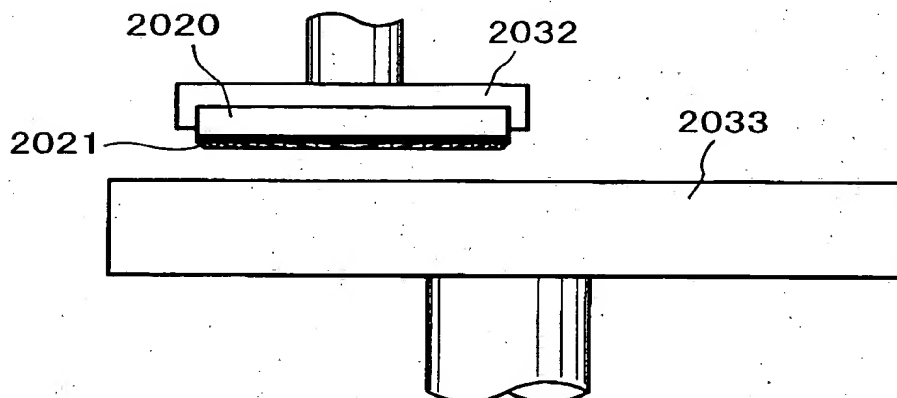


FIG. 41

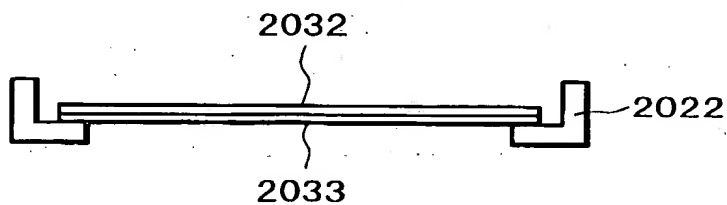
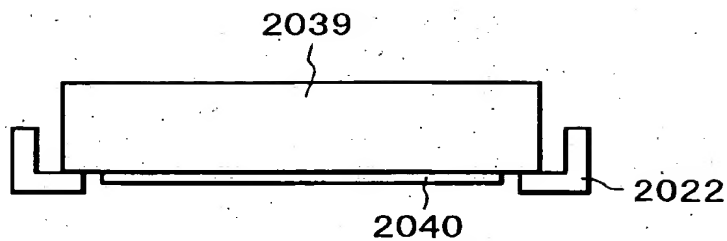


FIG. 42

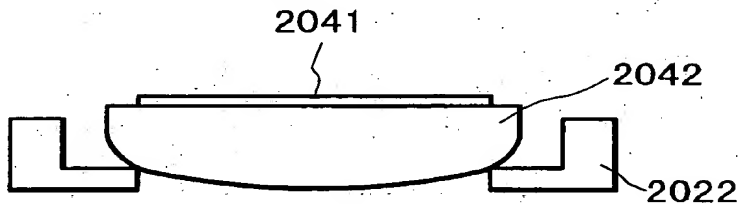
03362690 072990



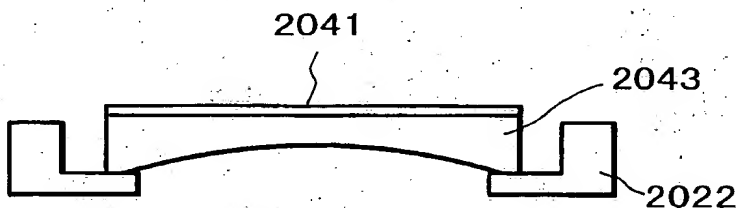
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



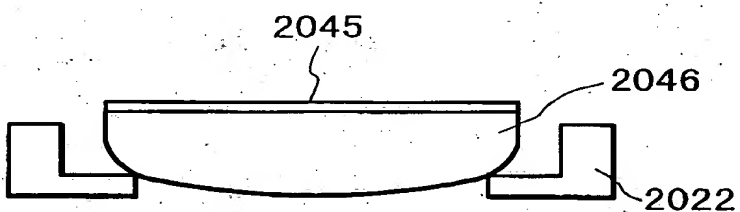
**FIG. 48**



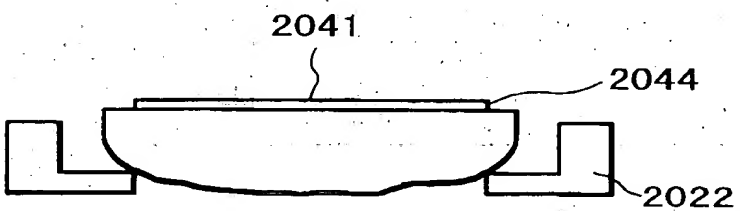
**FIG. 49**



**FIG. 50**



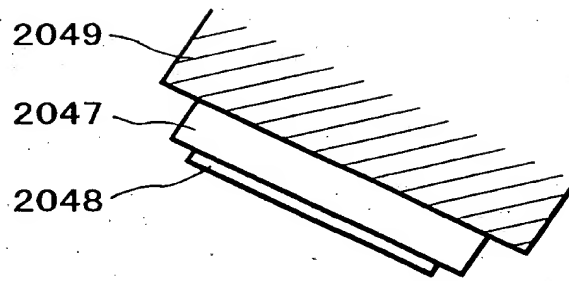
**FIG. 51**



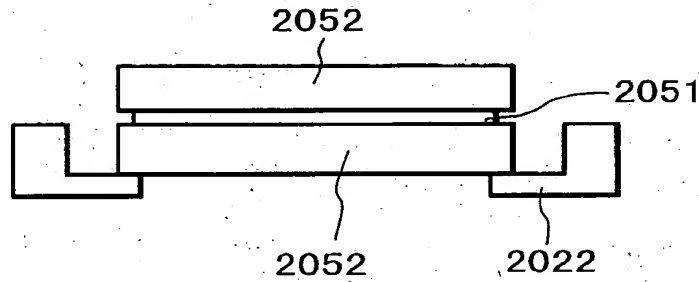
**FIG. 52**

6620-000000000000

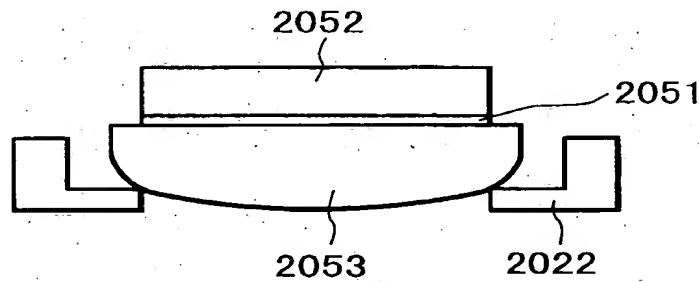
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	"	"



**FIG. 53**



**FIG. 54**



**FIG. 55**

0552720 0502050



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

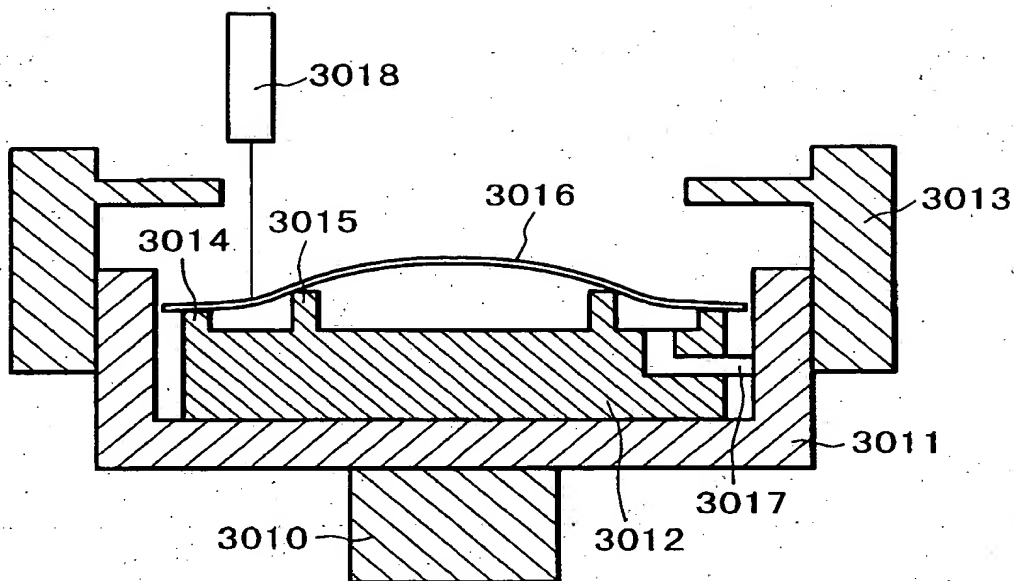


FIG. 59

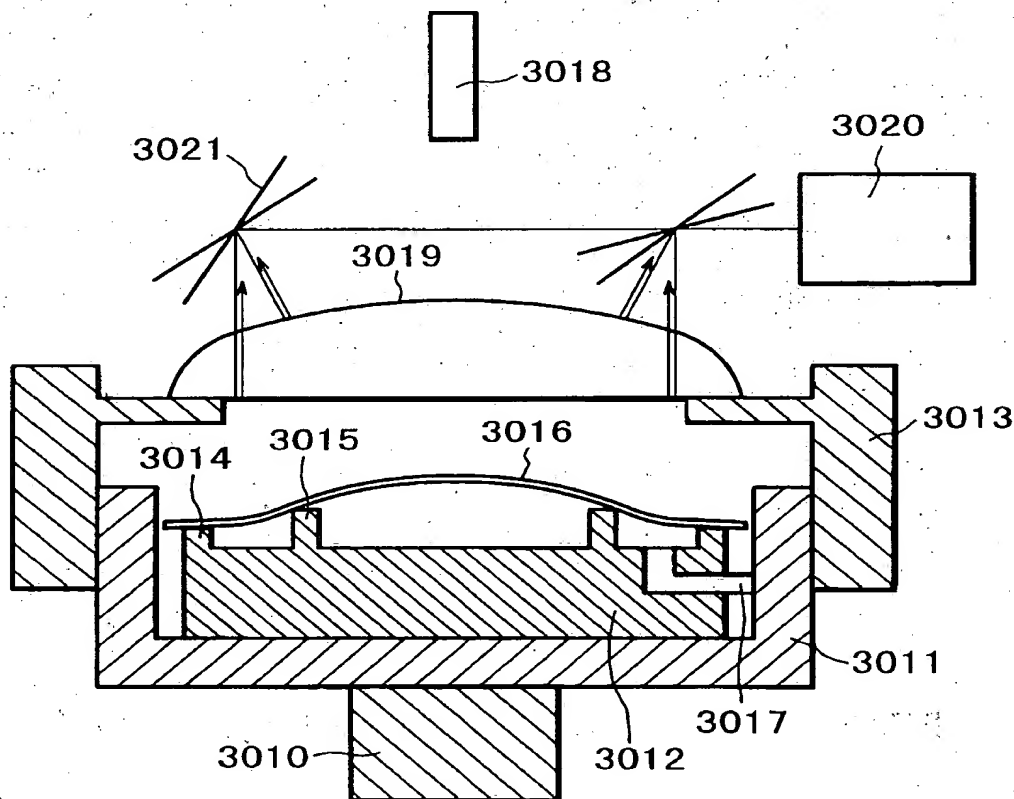


FIG. 60

655220" 86929550

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

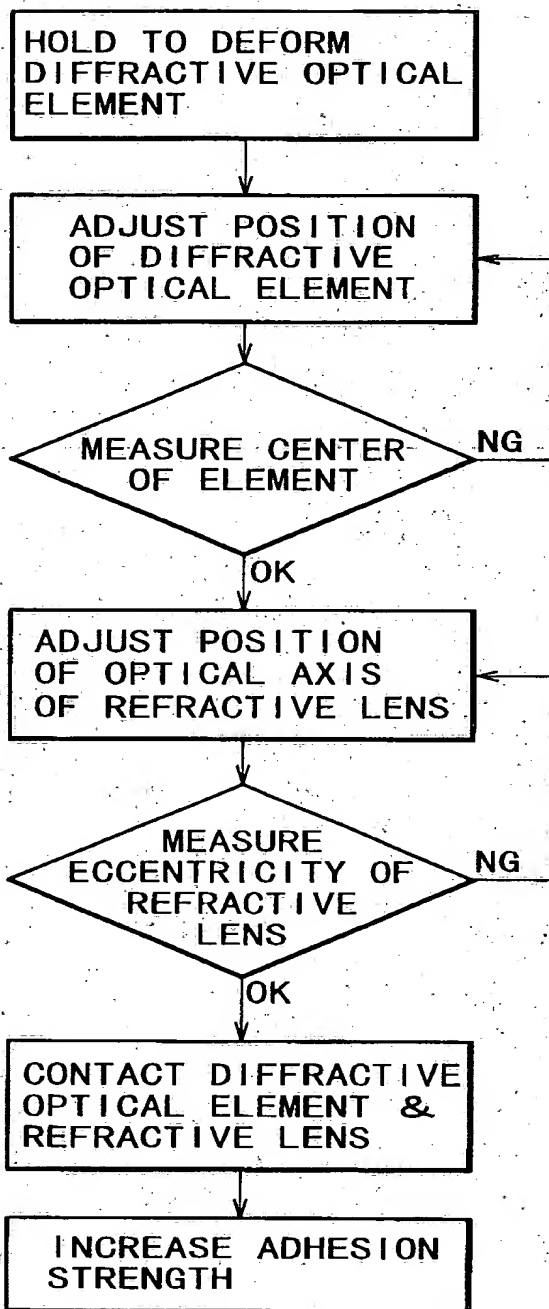


FIG. 61

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

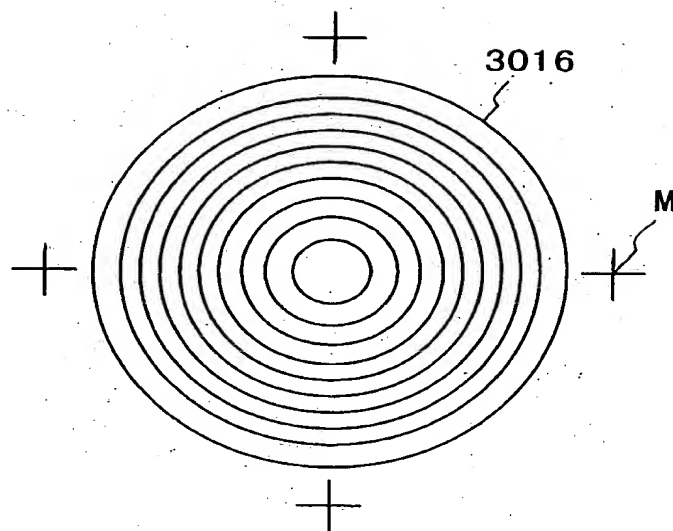


FIG. 62

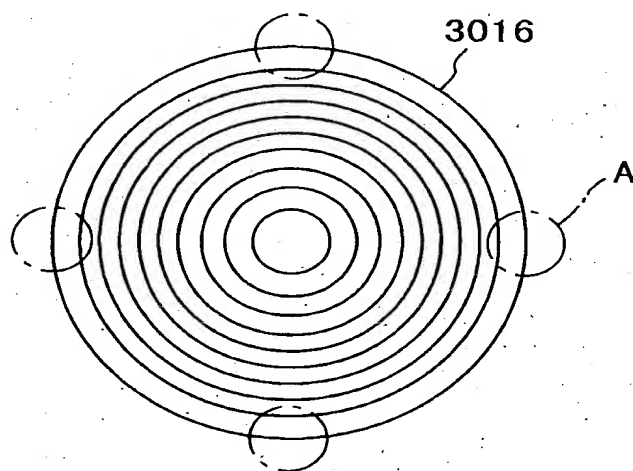


FIG. 63

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

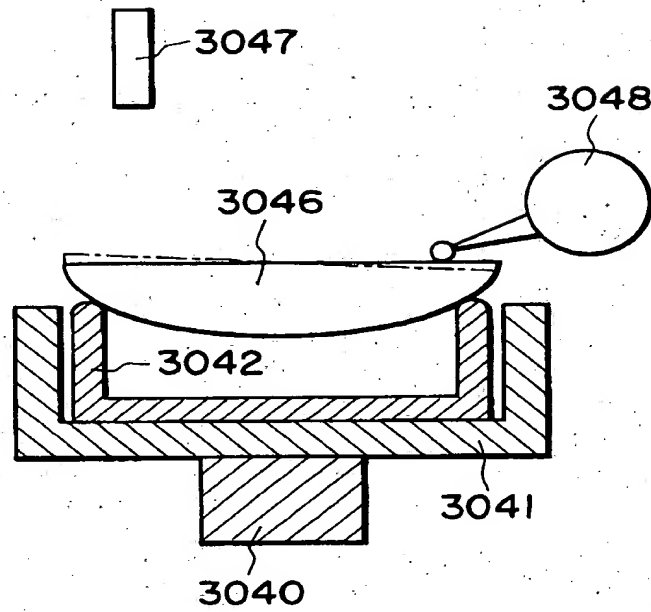


FIG. 67

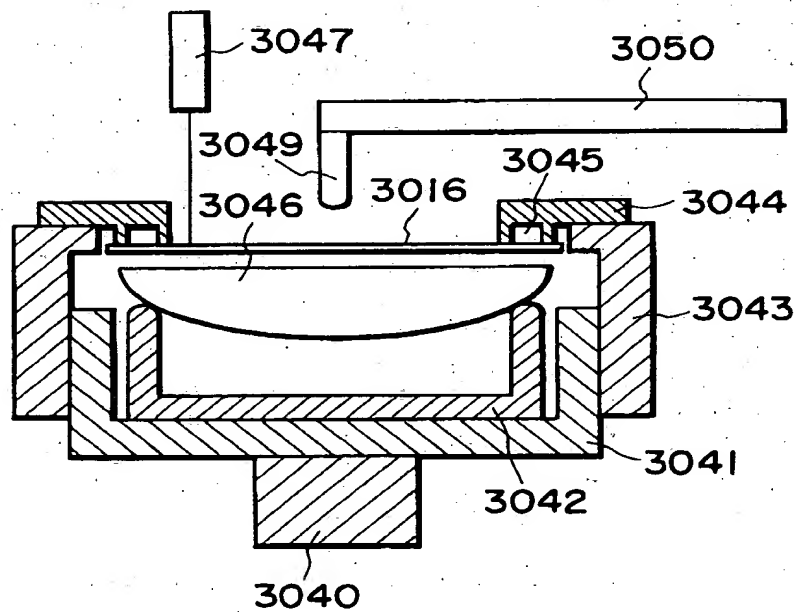


FIG. 68

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

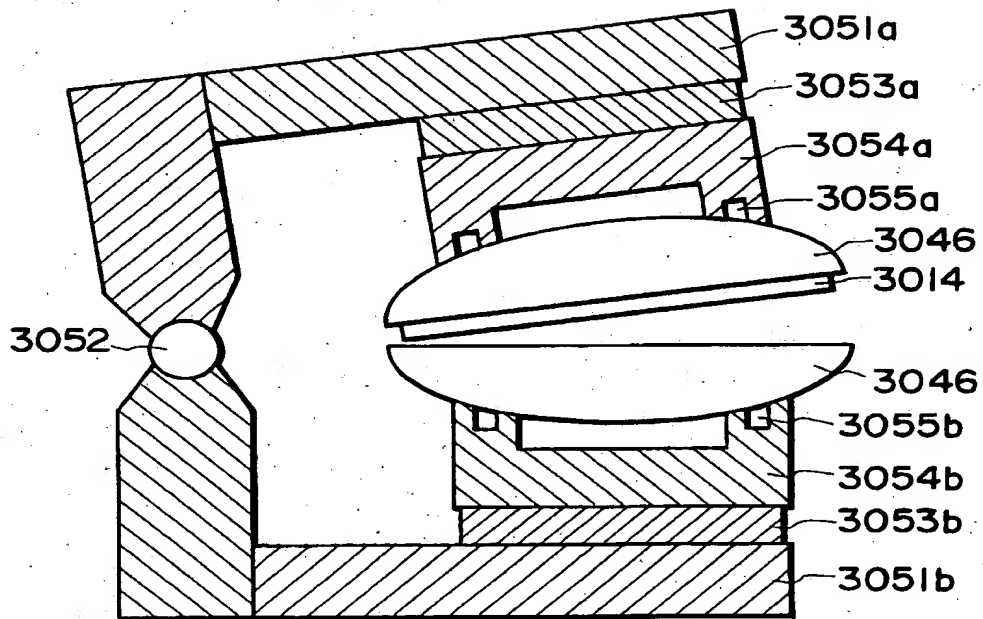


FIG. 69

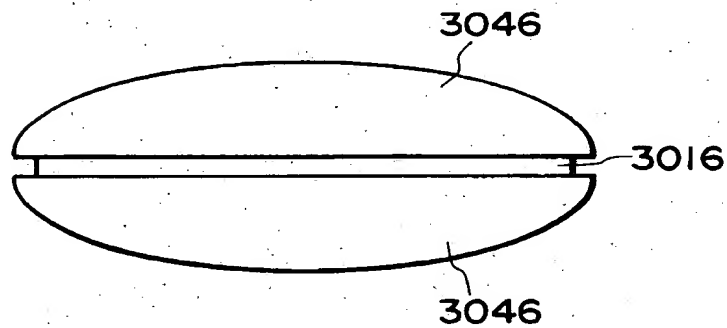


FIG. 70

565220" 86222260

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

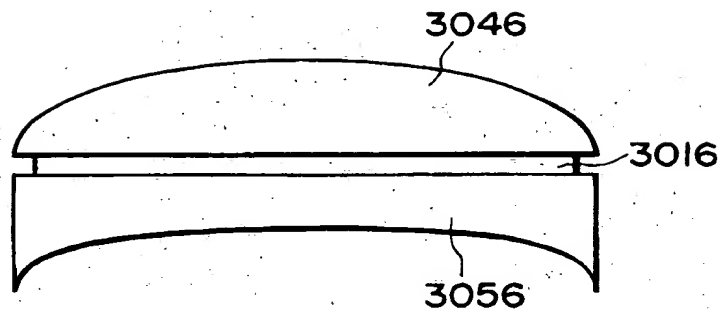


FIG. 71

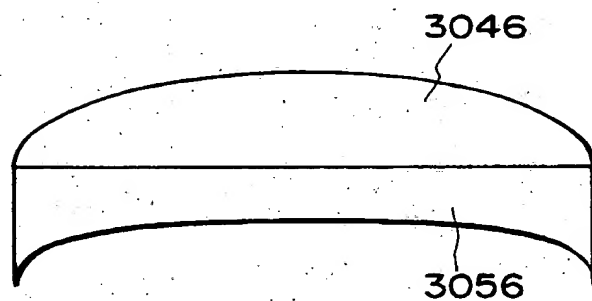


FIG. 72

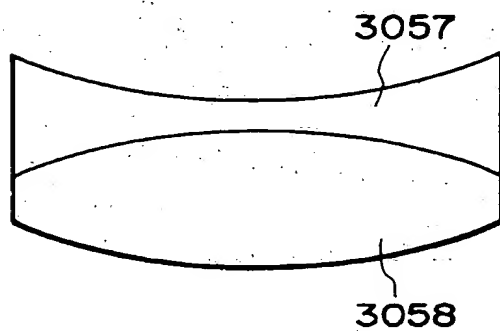


FIG. 73

666270 259460

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

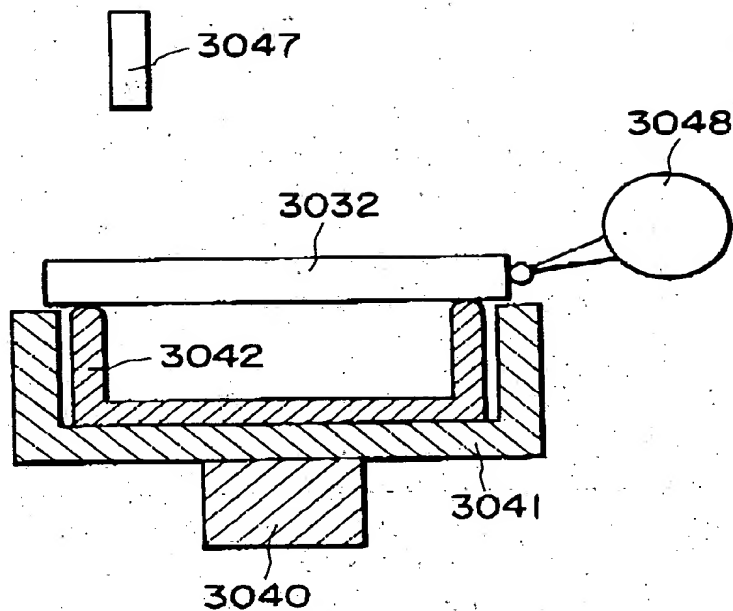


FIG. 74

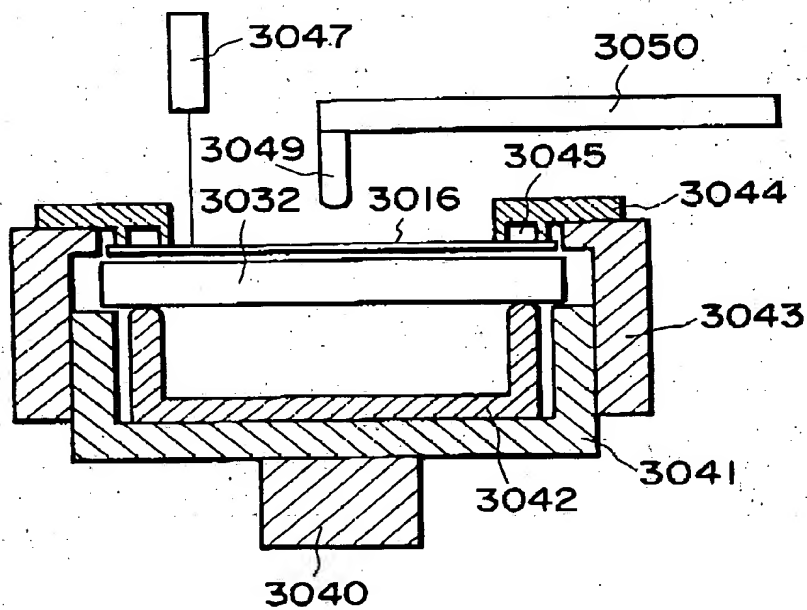


FIG. 75

0362690 07290